BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

"Selection of Service Provider for Sale of Smart Meters to prospective consumers on rate contract basis in retail outlets for arranging power supply to new connections (including temporary installations) along with Supply, Implementation, Commissioning of IT system for a period of 5 years & Maintenance of IT system for a period of 10 years in BESCOM Jurisdiction." vide Tender Enquiry No. BESCOM/2024-25/SE0193

INSTRUCTION TO THE BIDDERS

(ITB)

1.0 Scope Of Work:

The Bangalore Electricity Supply Company Limited invites tender for "***Selection of Service Provider for Sale of Smart Meters to prospective consumers on rate contract basis in retail outlets for arranging power supply to new connections (including temporary installations) along with Supply, Implementation, Commissioning of IT system for a period of 5 years & Maintenance of IT system for a period of 10 years in BESCOM Jurisdiction***" conforming to technical specifications stipulated in the tender. However, BESCOM at its discretion may place PO's for any other purpose if necessary.

2.0 The approximate one-year requirement for the types of smart meters (Single phase, Three phase and Three phase CT operated) is 4,00,000 Nos. These meters are required for New Service connection & Temporary connections. Further BESCOM may consider for replacement of MNR/DC, Net Metering and any other purpose on need basis against purchase orders placed by Corporate office or concerned O&M officers with prior approval of the Corporate office.

3.0 The details of the tender are as below:

Calendar of Events is as follows:

	Event		Date & Time
a)	Availability of Tender Documents	:	As per KPP Portal
b)	Pre-bid meeting	:	
c)	Last date for Bid submission	:	
d)	Last date for receipt of queries	:	
e)	Date of Opening of Technical Bid (if possible)	:	

Scope of work	Approximate sale of meters (in Nos)	Amount put to tender in Crores	EMD amount (Rs.in lakhs)
Selection of Service Provider for Sale of Smart Meters to prospective consumers on rate contract basis in retail outlets for arranging power supply to new connections (including temporary installations) along with Supply, Implementation, Commissioning of IT system for a period of 5 years & Maintenance of IT system for a period of 10 years in BESCOM Jurisdiction.	4,00,000 no. annually	As per KPP Portal	As per KPP Portal. (Rs.10 lakhs in KPP Portal & balance shall be furnished by way of Bank Guarantee in favour of General Manager, (DAS,SG&TIC), BESCOM, Bangalore issued from Nationalized /scheduled bank.)

4.0 Qualifying Requirements

Sl. No	Qualifying Requirements	Documents to be uploaded
Technical Requirements		
1.	The Bidder should be in existence as any of the following: (a) Company incorporated in India under the Companies Act, 1956/2013 Including any amendment thereto; (b) LLP incorporated in India under the Limited Liability Partnership (LLP) Act, 2008 including any amendment thereto; (c) Partnership Firm under	(a). In case the Bidder is Registered company incorporated under Companies Act, 1956/2013 the Bidder has to upload the following documents: 1. Certificate of Incorporation issued by Registrar of Companies as per Companies Act 1956/2013 along with Memorandum of Association and Articles of Association of the Company. 2. Annual filings (E-Forms AOC-4, MGT-7) filed by the Company to Registrar of Companies (Ministry of Corporate Affairs, Government of India) for preceding two

	Partnership Act, 1932 in India; (d) Sole Proprietorship Concern	Financial Years. 3. Declaration from Directors of the Company in Form MBP-1 stating that they are not disqualified to be a Director of the Company along with the list of Companies in which they are Directors as on the date of inviting tender(s). (b). In case the Bidder is LLP incorporated in India under the Limited Liability Partnership (LLP) Act, 2008 the Bidder has to upload the following documents: 1. Certificate of Incorporation issued by Registrar of Companies as per LLP Act 2008. 2. Limited Liability Partnership Agreement of LLP. 3. Form 11-Annual Return filed by LLP to Registrar of Companies (Ministry of Corporate Affairs, Government of India) for Preceding two Financial Years. c). In case the Bidder is Partnership Firm under Partnership Act, 1932 in India then the Bidder has to upload the following documents: 1. Partnership Deed, GST Registration Certificate. 2. Shops & Establishment Registration Certificate, as applicable. 3. PAN/GST Registration Certificate *(d)* In case the Bidder is Proprietorship firm, the Bidder has to upload: GST Registration Certificate.
2	The Bidder should have a minimum of 5 years work experience in Supply, installation and commissioning of Single phase / Three phase WC / Three phase LT CT / Three phase HT consumer meters in any ESCOMs/DISCOMs as on the date of bid submission.	Scanned copy of Work award /Purchase order copies issued by concerned ESCOMs/DISCOMs shall be uploaded.

3	The Bidder should possess valid Class-I or Super Grade Electrical Contractor license issued by the Electrical Inspectorate, Government of Karnataka and should be in force as on the date of submission of bids	Scanned copy of valid Class-I or Super Grade Electrical Contractor license issued by Electrical Inspectorate, Government of Karnataka shall be uploaded.
4	The Bidder should have successfully completed as prime contractor at least one project involving Supply, installation and commissioning of Single phase /Three phase WC / Three phase LT CT / Three phase HT consumer metering work of value not less than 50% of the estimated annual payment under this contract in the previous five financial years in any ESCOMs/DISCOMs. (From FY 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) ***Note:*** Updated to the FY in which the tenders are invited. The value of the completed work of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.	Scanned copy of the DWA and satisfactory Work completion certificate duly indicating the amount, issued by an officer not below the rank of Executive Engineer or equivalent officer of the concerned ESCOMs/DISCOMs shall be uploaded.
5.	The bidder should have installed and commissioned at least 80% of annual quantity of meters (i.e., 3,20,000 no.) including Single phase / Three phase WC / Three phase LTCT / Three phase HT consumer meters in any ESCOMs/DISCOMs in any one year during the last 5 financial years and the above quantum of work should be in Satisfactory operation for at least 1 year during last five FY as on the date of bid submission. (From FY 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24)	Scanned copy of the DWA and Performance certificate issued by an officer not below the rank of Executive Engineer or equivalent officer of the concerned ESCOMs/DISCOMs shall be uploaded.

6.	The Bidder or his identified OEM should have a valid prequalification and technical Empanelment certificate for (cellular & RF) communication technologies, issued by REC and approved by the committee constituted vide the letter issued by the Ministry of Power F.No.14/02/2021-UR&SI-II Part (1) - (E-258136) dt. 10th January 2022, at the time of bid submission.	Valid Empanelment certificate of the Bidder or his identified OEM for the proposed solution, issued by REC / committee constituted thereby.
7.	Bidder or his identified OEM should have valid certificate as on date of Bid Submission – • Should have minimum CMMi (Capability Maturity Model Integration) Level 3 • ISO 27001 certification (Software Development & Customization), as the requirement may be.	Valid Certificates of the same shall be uploaded.
Financial Requirements		
8	The Bidder shall have positive net worth for each of the last five financial years viz.,2018-19, 2019-20, 2020-21, 2021-22 & 2022-23.	Audited Annual financial statements, Balance Sheet and P&L Account along with CA certified Net worth Certificate for the respective Financial Years shall be uploaded.
9	The Annual Turnover should not be less than Two times the estimated annual payment under this contract in any two of the preceding Five financial years viz., 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23. ***Note:*** Updated to the FY in which the tenders are invited. Financial turnover of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.	Scanned copies of the audited Annual Accounts statements such as P&L statement, Balance sheets for the respective FYs shall be uploaded.
10	The Liquid Assets as on 31.08.2024	The cash at bank, term deposits and availability of fund based credit facilities

	or at later date before last date of submission of technical bid consisting of cash at bank + Term Deposits + availability of fund based credit facilities in any of the Nationalized bank or Scheduled Bank shall not be less than 25% of the estimated annual payment under this contract.	shall be supported by a certificate issued by Nationalized/ scheduled Bank as per the Annexure format attached shall be uploaded. If the Tenderer has banking with more than one Bank, then the available liquid assets mentioned above on a particular date i.e., 31.08.2024 or at a later date before submission of tender shall be the same date and time for all the banks. In case of Fund based credit facility, the certificate issued by the Nationalized/ Scheduled Bank duly mentioning sanctioned limits, funds utilized so far and balance available as on 31.08.2024 or at a later date, before submission of the bid shall be uploaded.

General Criteria		
11	Any Tenderer/ Bidder from a country which shares a land with India will be eligible to bid in this tender only if the Tenderer is registered with the Competent Authority. (As per Government Order No. FD 455 Exp-12/2020 dated 25.08.2020.)	Registration certificate issued by the competent authority shall be uploaded.
12	A certificate for having read the clauses is required to be submitted/uploaded by the tenderer separately in the following format: I have read the clause regarding restrictions on procurement from a Bidder of a country which shares a land border with India; I certify that this Bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this Bidder fulfills all requirements in this	Scanned copy of the self-declaration in the prescribed format as per Annexure format on notarized stamp paper of Rs. 500/- shall be uploaded.

	regard and is eligible to be considered. (Where applicable, evidence of valid registration by the Competent Authority shall be attached.) (As per Government Order No. FD 455 Exp-12/2020 dated 25.08.2020.)	
13	Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have: a) Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or b) Record of poor performance such as abandoning the services, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or c) Participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.; and/or d) Defaulted/short closed due to non-performance against the order placed by any Public Electrical Utility/Govt. utility.; and/or e) Black-Listed by any Public Electrical Utility/Govt.	Scanned copy of the self-declaration in the prescribed format as per Annexure on notarized stamp paper of Rs. 500/- shall be uploaded.
14	Litigation History: The Bidder should provide detailed information on any litigation or arbitration arising out of contracts completed or under execution by it over the preceding five years i.e. FY 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24 A consistent history of awards involving litigation against the Bidder may result in rejection of Bid.	Scanned copy of the self-declaration on notarized stamp paper of Rs. 500/- shall be uploaded.

Note: All the Self- Declarations shall be made on a single Stamp paper of Rs. 500/- and shall be uploaded.

All the evaluations will be carried out by considering estimated contract value for a period of one year as **₹162.48 Cr** inclusive of GST (**₹137.69 Cr** exclusive of GST).

In addition to the above requirements provided, the proposed Meter Manufacturer, Head End System (HES) solution provider, Meter Data Management System (MDMS) solution provider, System Integrator and RF/GPRS/ Cellular Technology- Solution Provider should also separately meet the Qualifying requirements mentioned in the following page.

The Bidder should have to mandatorily include the details of the identified OEM'S. The bidder has to work with proposed OEM'S for each of the solution/ component providers and submit the Manufacturer Authorization Form (MAF):

A. Meter Manufacturer
B. Head End System (HES) solution provider.
C. Meter Data Management System (MDMS) solution provider
D. System Integrator
E. RF/ Cellular Technology- Solution Provider

Accordingly, in addition to the requirements provided, the proposed OEMs/ solution / component providers should also separately meet the following requirements as on date of bid submission.

S. No.	Requirements	Documents to be uploaded
A. Meter Manufacturer – Technical Requirements		
A1.	Should have manufactured and supplied minimum [10,00,000] nos. of Smart meters (cumulative) in Indian Distribution Utility in the last 10 years Conforming to IS16444. Out of the above a minimum of 1,00,000 smart meters should have been in operation for a minimum period of 1 year as on the date of submission of bid.	*a)* References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date In case Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc. b) Documentary evidence of completion of the Project or other documentary evidence indicating completion of supply (e.g. proof of payment received/ proof of

S. No.	Requirements	Documents to be uploaded
		asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client; c) Any other documentation for implementation performance/ operation
A2.	Meter Manufacturer must have Valid BIS certificate of Smart Meters for Single Phase, Three Phase Whole Current & Three Phase LTCT as on date of Bid Submission.	Valid BIS License for all type of Smart Meters for Single Phase, Three Phase Whole Current & Three Phase LTCT.
A3.	Meter Manufacturer must have experience in operating the retail outlet for Energy Meters in the last 5 years in Karnataka.	Valid PO and Certificates.
A4.	Meter Manufacturer must have valid Type Test report as per respective Indian Standard for all type of Smart Meters required in the Tender Document. Test Report should not be more than 5-years-old as on date of Bid Submission	Valid Type Test Reports for all type of Smart Meters for Single Phase, Three Phase Whole Current & Three Phase LTCT.
A5.	Should have in-house NABL or ISO/ IEC -17025 accredited Laboratory	A valid registration certificate mentioning issue/renewal/expiry date.
A6.	Should have a valid ISO 9001:2015 certification	Copy of valid certificate
B. Head End System (HES) solution provider – Technical Requirements		
B1.	The HES solution should have been successfully integrated with at least 2 (two) different MDMS/ other utility IT Solution in Indian Utility(ies) (power/ water/ natural gas/ telecom) with atleast one project(integration) having 2,00,000 Smart Meters in last 7 (seven) years.	Certificate / report issued by Client / MDMS OEM / solution provider. In case the HES solution provider, has integrated with their own MDMS, then a self-certification shall be provided.

S. No.	Requirements	Documents to be uploaded
B2.	The proposed HES solution should have been successfully integrated with at least three (3) makes of Smart meters (IS16444 marked) of with at least two different communication technologies (RF/ Cellular) in a single project. The project should have been implemented in last 5 years at any Indian Electricity Distribution Utility and operational as on the date of bid. In the above reference project minimum 10000 smart meters of each make should have been commissioned. Further at least minimum10000 smart meters should have been on each communication technology.	Copy of valid certificate issued by Client / HES OEM/ solution provider.
B3.	The proposed HES should be from OEM who has successfully deployed the solution covering at least 2,00,000 Smart Meters as per IS16444 in an Indian Power Utility for a single project which is operational as on date of submission of bid.	Copy of valid certificate issued by Client / HES OEM/ solution provider..
C. Meter Data Management System (MDMS) solution provider – Technical Requirements		
C1.	The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different HES solutions in Indian Utility(ies) (power/ water/ natural gas/ telecom) in last 7 (seven) years.	a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date In case Non-Disclosure agreement (NDA) is signed with the client, Bidder shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc. b) Documentary evidence of completion of the Project or completion of Go-live
C2.	The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different Billing Systems in Indian Utility(ies) (power/ water/ natural gas/ telecom) or with Billing/ Other IT systems of 2 (two) different Indian Utility(ies) in last 7	

S. No.	Requirements	Documents to be uploaded
	(seven) years. The proposed MDM solution should have been deployed for at least 2,00,000 Smart Meters in a single project which are continuously operational for a minimum period of 12 months and operational as on date of submission of bid.	status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client c) Certificate / report issued by Client / HES OEM/ solution provider. In case the MDMS solution provider, has integrated with their own HES, then a self-certification shall be provided. d) Any other documentation for implementation performance/ operation.
C3.	Should have CMMi (Capability Maturity Model Integration) Level 3 or IEC/ISO 27001 Certification (Software Development & Customization), as the requirement may be.	Copy of valid certificate.
D. System Integrator – Technical Requirements		
D1.	Should have experience of integration of HES/MDMS etc. with at least 2 (two) billing / two utility IT systems in Indian Utility(ies) (power/ water/ natural gas/ telecom) in last 7 (seven) years, in which the meters are in operation for at least 1(one) year.	Certificate / report issued by Client / Billing system solution provider.
D2.	• Should have valid ISO 9001:2015 certification • Should have IEC/ ISO 27001 certification or CMMi Level 3 (or above) certifications	Copy of valid certificate.

S. No.	Requirements	Documents to be uploaded
E. RF/Cellular Technology Solution Provider – Technical Requirements		
E1	The RF/Cellular technology/ Solution provider should have implemented project/(s) with at least [2,00,000] (cumulatively) modules / endpoints involving Radio Frequency (RF) mesh/ Cellular in an Indian Utility (power/ water/ natural gas/ telecom) in the last 7 (seven) years.	References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date. Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;
E2	The RF/Cellular technology/ Solution provider should have been in the communications network installation / maintenance services business for the minimum last 1 (one) year in India.	a) In case of RF, Certificate of Incorporation and Registration certificate along with Memorandum & Articles of Association shall be uploaded. b)Copy of valid Licenses (In case of GPRS/Cellular, Valid certificate issued by Wireless Planning & Coordination (WPC) Wing of the Ministry of Communications, GOI) as on date of bid submission
E3	The RF Technology/ Solution provider have successfully integrated their NIC/ Communication module with at least 3 (three) different makes of smart meters in India	Signed agreements/ MoUs for integration of NIC module or Certificate of successful integration.

It is preferred that the HES, MDM & Pre-paid module shall be from a single OEM.

5.0 Tender Documents

The Tender is invited on OPEX (Operational Expenditure) Model: The Smart Meter cost shall be borne by Consumers and Per Meter Per Month (PMPM) Service charges to be paid to Service Provider shall be borne by BESCOM.

The Tender documents comprises of the following:

- Detailed Scope of Work.
- Instructions to Bidders.
- General Conditions of Contract.
- Special Conditions of Contract.
- Annexure A – Smart Meters Specifications
- Annexure B – Communication Systems
- Annexure C – Retail Outlets
- Annexure D - IT Systems
- Annexure E – NOMC Specifications
- Annexure F – Service Level Agreement
- Annexure G – AMI System Availability
- Annexure H – Terms and Conditions of Payment

6.0 Period Of Validity Of Bids

6.1 Bids shall be kept valid for acceptance for a period of **180 days** from the date of opening of Bids, excluding the date of Bid opening. A Bid valid for a shorter period shall be rejected by the BESCOM as non- responsive.

6.2 In exceptional circumstances, the BESCOM may solicit the Bidder's consent to an extension of the period of the validity. The request and the response there to shall be made in writing. In the event the extension is granted, the Bidders will not be permitted to modify their Bids.

7.0 Cost Of Bidding

The Bidder shall bear all costs associated with the preparation & submission of their bid and BESCOM will in no case be responsible or liable for those costs, regardless of the conduct or out-come of the Bidding process.

8.0 Bidding Documents

8.1 The goods required, works to be executed, bidding procedures & contract terms are prescribed in the Bidding documents.

8.2 The Bidder is expected to examine all instructions, terms and specifications in the Bidding documents. Failure to furnish all information required in the Bidding documents or submission of a Bid not substantially responsive to the Bidding documents in every aspect will be at the Bidder's risk & may result in the rejection of the Bid.

9.0 Clarification On Bidding Documents

9.1 A bidder requiring any clarifications regarding Bidding documents may notify the General Manager (Ele.,) (DAS, SG&TIC), BESCOM, in writing or e-mail to gmdas@bescom.co.in on or before date notified in the KPP-portal. The General Manager Ele., (DAS,SG&TIC), BESCOM, will respond to any request for clarification of the Bidding documents, which he receives not later than prior to the deadline given.

9.2 The bidder is required to carefully examine the specifications and documents and fully familiarize himself as to all the conditions and matters which may, in any way, affect supplies and services to be provided and/or the cost thereof. If the bidder finds discrepancies or omissions in the specifications and documents or is in doubt as to the true meaning of any part, he shall at once make a request for an interpretation/ clarification.

9.3 Verbal clarifications and information given by BESCOM or its employees or its representatives shall not in any way be binding on BESCOM.

10.0 Amendments Of Bidding Document

10.1 At any time prior to the deadline for submission of Bids, GM(DAS, SG&TIC), BESCOM may, for any reason whether at his initiative or in response to a clarification requested by a Bidder, modify the Bidding documents by amendment.

10.2 The amendment will be issued in KPP - portal and such amendment will be binding on them.

10.3 In order to afford Bidders reasonable time to take the amendment into

account in preparing their Bids, GM(DAS,SG&TIC), BESCOM may at his discretion extend the deadline for submission of the Bids.

11.0 Language Of Bid

The Bid prepared by the Bidder & all the correspondence & documents relating to the Bid exchanged by the Bidder & GM(DAS,SG&TIC), BESCOM shall be written in **English language**.

12.0 Numbering Of Sheets

VOID

13.0 Earnest Money Deposit & Tender Processing Fee

"Bidders shall pay Tender Processing Fee and EMD through online e-payment modes as provided in KPP - portal".

The EMD amount payable is as shown below:

EMD amount in Rs.	Particulars
As per KPP Portal	(Rs.10 lakhs in KPP portal & balance shall be furnished by way of Bank Guarantee in favour of General Manager, (DAS,SG&TIC) BESCOM, Bangalore issued from Nationalized /scheduled bank.)

Tenders without accompanying the EMD will be rejected. No correspondence will be entertained in this regard. EMD is payable irrespective of any other permanent or other EMD already paid by the Bidder for any other purpose. Postal Orders or Cheques will not be accepted. Any request for adjustment of amount due from BESCOM towards the EMD will not be entertained.

14. The Earnest Money so deposited will be liable for forfeiture: -

a) If the Bid which it covers, is withdrawn before the Bidder received formal intimation as to the BESCOM's decision in regard to his tender within validity of the Bid, OR

b) If the successful Bidder fails to deposit the security deposit and fails to execute the Contract Agreement within 15 days of formal intimation by BESCOM.

Permanent EMD will not be considered.

Earnest Money Deposit of the successful Bidder will be refunded after furnishing Performance guarantee & after execution of Contract Agreement.

The EMD of the unsuccessful bidders shall be returned after the successful Bidders execute the contract agreement or if the enquiry initiated is dropped or closed.

15.0 Bid Form

15.1 The bidder shall upload all the documents & documentary evidences in the KPP Portal.

15.2 The bid must contain the name, designation and places of business of the person or persons making the bid and must be signed and sealed by the bidder with usual signature. The name(s) of person(s) signing should also be typed or printed below the signature(s).

16.0 Submission Of Bid

Bids shall be submitted in 2 parts electronic documents viz,

(i) Techno Commercial Bid &

(ii) Price Bid.

17.0 Documents Comprising The Bid

Bid form duly signed by the authorized signatory of the bidder, Bid proposal sheets duly filled in and signed and complete in all aspects.

18.0 Information Required With The Proposal

18.1 Oral statements made by the Bidder at any time regarding quality or arrangements of the equipment or any other matter will not be considered.

18.2 Standard catalogue pages and other documents may be used by the Bidder in the Bid to provide additional information and data as deemed necessary by the Bidder.

18.3 As regards the provision of the Bidding documents other than those listed in the Bid document, in case the 'Proposed information contradicts the Specification requirements', specifications requirements shall govern, unless otherwise brought out clearly in the technical/Commercial deviation schedule, in the Bid.

18.4 No deviation whatsoever, in the following conditions of the Bidding documents is permitted.

- Validity of offer
- EMD
- Contract Performance security
- Payment terms
- Guarantee
- Technical conditions

18.5 Bidders are advised that while making Bid proposals and quoting prices these conditions may appropriately be taken into consideration. Bids with deviations on the above will be disqualified.

19.0 Bid Prices, Taxes & Duties

19.1 The Bidder shall furnish Unit computed FORD price inclusive of all applicable taxes and duties in the KPP - portal and also furnish the breakup of prices. The breakup of prices should contain Ex works price and applicable GST (IGST & CGST separately if applicable) on KPP - portal.

19.2 Statutory Taxes and duties will be paid as indicated by the bidder in the Price Bid.

19.3 If there is any concession/reduction in the taxes and duties by the changes in the policies by the Central/State Government, the same shall be availed and passed on to BESCOM.

19.4 If there is any enhancement in the statutory taxes /introduction of new tax, due to change in policies by the Central/ State Government, then such enhanced taxes/ any new taxes will be payable by BESCOM.

19.5 No claim for any increase towards statutory variation regarding enhancement of existing tax or duty or introduction of a new tax or duty shall be entertained during the extended period of contract if the extension is required by causes attributable to the Contractor.

19.6 Price variation is not permissible under any circumstances. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price & quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the latter shall prevail and the total bid amount will be corrected accordingly. If there is a discrepancy between words and figures,

the amount advantageous to the Owner will prevail. If the Bidder does not accept the correction of the errors as above, its bid will be rejected and the amount of Bids security will be forfeited.

19.7 VOID

19.8 Any variation in the rates etc., will not be allowed on any ground, such as mistake, misunderstanding etc., after the bid has been submitted.

19.9 The Bidder shall quote only in Indian Rupees.

20.0 Opening Of The Bids & Preliminary Examination

20.1 General Manager, (DAS, SG&TIC), BESCOM will open the Bids on the specified date & time as mentioned in KPP Portal.

20.2 If the date of the opening of tender happens to be a holiday, the same will be opened on the next working day.

20.3 BESCOM will examine the Bids to determine whether they are complete, whether the Bidder satisfies the eligibility criteria, whether required sureties have been furnished, whether the documents have been properly signed and whether the Bids are generally in order.

21.0 Evaluation Of The Tenders

21.1 The Techno – Commercial evaluation

For purpose of these clauses, a substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation & conforming to technical specifications.

21.2 The Techno-commercial Bids will be evaluated on the following points but not restricted to the same.

a) Payment of the EMD

b) Qualifying Requirements,

c) Completeness of the offer to carry out all the works as per requirement.

d) Technical requirements as per specifications, & conforming to all terms and conditions, without any deviations.

e) Acceptance for payment terms & conforming to all terms and other commercial

conditions etc., as specified in the terms and conditions of the Bid.

21.3 However, the General Manager Ele., (DAS,SG&TIC),may waive any minor informality or non-conformity or irregularity in a Bid, which does not constitute to a material deviation provided, such waiver does not prejudice or affect the techno-commercial terms & conditions.

22.0 Opening Of The Price Bids & Preliminary Price Evaluation

22.1 The price Bids of "Techno-Commercial" responsive Bids shall be opened.

22.2 VOID

22.3 Conditional tenders are liable to be rejected at the discretion of the tender accepting authority.

23.0 Notwithstanding any of the clauses, the General Manager Ele., (DAS,SG&TIC), reserves the right to accept or reject any Bid and to annul the Bidding process and reject all the Bids, at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder/Bidders of the grounds for the General Manager Ele., (DAS,SG&TIC)'s action.

24.0 Discounts / Rebates

Discounts / rebates whatsoever shall not be considered for evaluation purposes.

25.0 Notification Of Award

25.1 Prior to the expiration of the period of Bid validity, BESCOM will notify the successful Bidder in writing by registered letter or by e-mail that his Bid has been accepted by issuing Rate contract.

25.2 The final acceptance of the Bids will rest with the General Manager Ele., (DAS,SG&TIC), BESCOM who does not bind himself to accept the lowest or any Bid or assigning any reason what so ever.

25.3 The authority competent to accept the tender reserves the right to reject any or all tenders or award contract only in part without assigning any reasons whatsoever. Tenders not complying with any of the requirements cited in the bid are liable for rejection at the discretion of the General Manager Ele.,(DAS,SG&TIC), BESCOM. The Bidders shall be presumed to have carefully

examined the conditions and specifications of work & to have fully acquainted themselves with all details at site, locations, materials, geological formations, weather characteristics, labour conditions etc., pertaining to the work.

25.4 The Bidder shall abide by the rules in force regarding Workman's Compensation act.

26. Performance Bank Guarantee/Security Deposit & Contract Agreement

26.1 The Successful Bidder shall remit within 15 days from the date of issue of letter of intent to award, a PERFORMANCE GUARANTEE/ SECURITY DEPOSIT in the form of Bank Guarantee from the Scheduled Commercial Bank endorsed in favor of General Manager, (DAS, SG& TIC), BESCOM, Bangalore. All expenses incurred for completing and stamping the contract agreement shall be borne by the successful Bidder.

The Performance Bank Guarantee amount shall be given separately for Smart Meter Cost and PMPM (AMI) Cost.

PBG for PMPM (AMI Cost): The Performance Bank Guarantee amount equal to five percent (5%) of the Total PMPM cost for 4 lakhs no. of meters to be installed shall be submitted by the Service Provider after issue of LOI for first year. PBG for succeeding year will be calculated as 5% of the PMPM charges of the number of meters installed in the previous year.

PBG for Smart meters: Since the Smart Meters are directly purchased by the consumer, guarantee in terms of Meter Guarantee card shall be provided to the consumer by the Meter manufacturer. However, to guarantee the faithful performance of the Contract in accordance with the Terms & Conditions specified in the Documents & Specifications, Meter Guarantee card by the OEM Meter Manufacturer and Undertaking for the same by the Service Provider shall be submitted to General Manager, (DAS, SG& TIC), BESCOM, Bangalore.

26.2 The PBG amount shall be unconditional and irrevocable and the amount therein shall be payable to the Owner on demand without any condition whatsoever.

26.4 The successful Bidder shall enter into an agreement with BESCOM within 15

days from the date of issue of letter of intent to award, according to the General & Special Conditions of Contract on non-judicial stamp paper of appropriate value.

26.5 Non-Disclosure Agreement (NDA) for Data sharing as per the Data Sharing Policy of BESCOM version 2 should be executed between BESCOM and all the team members having access to BESCOMs Smart meters and IT applications within 15 days from the date of issue of letter of intent to award.

26.6 The PBG will be discharged at the end of successful completion of Guarantee period.

27.0 The meters shall be guaranteed for a period of **5 years** from the date of supply or date of commissioning whichever is earlier and the same shall be recorded in the IT system. The meters declared defective by the consignees and / or by meter testing lab shall be replaced by the supplier upto the full satisfaction of the purchaser/BESCOM at the cost of supplier within 7 days of information by purchaser/BESCOM. The guarantee for the replaced meters shall start from the date of such replacement which shall be marked on name plate. In case defective meters are not replaced with in stipulated period, the penalty as per clause 19 of GCC shall be applicable.

28.0 Detailed report of no. of meters sold and the inventory available in the outlets shall be furnished to the BESCOM daily as specified in Detailed Scope of Work.

29.0 The bidder shall sell single phase/three phase whole current/three phase CT operated Smart Meters in retail outlets and supply the meters for New Connections and Temporary installations. Further BESCOM may consider for replacement of MNR/DC, Net Metering and any other purpose on need basis against purchase orders placed by Corporate office or concerned O&M officers, as per the rates approved in the contract order.

30.0 BESCOM will not be responsible for not getting internet connection while downloading the Electronic Bid sheets/documents or while uploading their offers.

31.0 Quality Assurance Plan (QAP)

31.1 The Bidders shall invariably furnish the following information along with the bid submission.

a. Statement giving list of important raw materials, names of sub-suppliers for the raw materials, list of standards according to which the raw materials are tested. List of tests normally carried out on raw materials in presence of bidder's representative & copies of test certificates.
b. Information and copies of test certificates as in (a) above in respect of bought out accessories.
c. Principle of operation of the meter, outlining the methods and the stages of computation of various parameters starting from input voltage and current signals including the sampling rate, if applicable shall be furnished by the bidder.
d. The bidder shall furnish details of memory used in the meter.
e. List of manufacturing facilities available.
f. Level of automation achieved and lists of areas where manual processing exists.
g. List of areas in manufacturing process, where stage inspections are normally carried out for quality control and details of such test & inspections.
h. List of testing equipment available with the Bidder or its OEM for final testing of equipment specified and test plant limitation, if any, vis-à-vis the type, special acceptance and routine tests specified in the relevant standards and this specification. The limitations shall be very clearly brought out in schedule of Deviation provided with the tender.

32.0 The design life of the meter shall be 25 years and to prove the design life, the firm shall have at least the following quality assurance plan:

a. The factory shall be completely dust proof.
b. The testing rooms shall be temperature and humidity controlled as per relevant standards.
c. The testing and calibrating equipments should be Automatic and all test equipment shall have their valid calibration certificates.
d. Power supplies used in testing equipment shall be distortion free with sinusoidal wave- forms and maintaining constant voltage, current and frequency as per the relevant standards.

e. During the manufacturing of the meters the following checks shall be carried out.

i. Meter frame dimensions tolerance shall be minimum.
ii. The assembly of parts shall be done with the help of jigs and fixtures so that human errors are eliminated.
iii. The meters shall be batch tested on automatic, computerized test bench and the results shall be printed directly without any human errors.
iv. The number of operations of the meter for disconnection & re-connection should be unlimited during the design life of the meter.

33.0 The offers shall be in General Conformity with the Specifications. Any Technical/Commercial Deviations from the Specifications shall be clearly brought out in the Offer.

34.0 Even though the bidders meet above qualifying criteria, as per their statements they are subject to be disqualified if they have,

a) Made misleading or false representations in statements and attachments submitted as proof of the qualification requirement and/or
b) Record of poor performance such as poor quality of Product, not properly completing the Contract, inordinate delays in supply completion, or financial failures etc.
c) BESCOM will reject the offer if all the required data on qualifying requirements are not furnished in the Technical Bid.
d) The successful Bidder shall furnish Guaranteed Technical Particulars (GTP) for Smart meters, HES, MDM, communication system within 15 days of date of issue of DWA and get approval for the same by GM(DAS,SG&TIC).
e) The Bidder shall furnish documentary evidence in support of the qualifying requirements stipulated as above.
f) The Bidder shall have adequate installation facilities and capacities including quality control.

35.0 The firm shall display the maximum price duly indicating the basic price, tax etc. and produce all records for payment of taxes to concerned authorities when demanded.

Note: Each type of meter shall be considered wherever applicable.

Sd/-

General Manager Ele.,
DAS, SG & TIC
BESCOM.

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